

# DRAFT AGENDA

## NASA LCLUC Virtual Science Team Meeting

October 19-21<sup>st</sup>, 2020

*Dedicated to Dr. Tony Janetos, the first LCLUC Program Manager, who passed away last year in August.*



### Meeting Focus

The LCLUC 2020 Science Team Meeting consists of three parts:

- *Day 1 (MusLI): Introduction from HQ and LCLUC Multi-Source Land Imaging (MuSLI) Projects updates.*
- *Day 2 (SARI): Presentations from national Space Agencies in Asia, two overviews of NASA South/Southeast Asia Research Initiative (SARI) achievements and a panel discussion.*
- *Day 3 Early Career Scientists: Project introductions from the recent selections of the Early Career Scientists (ECS) 2019 LCLUC round followed by a discussion on LCLUC program future directions.*

### Day-1 – NASA LCLUC Updates and MuSLI Projects (time slots in Eastern Day Time)

9:00-9:20	Welcome Address and LCLUC Program Updates	Garik Gutman (NASA HQ)
9:20-9:40	Meeting Objectives and Agenda	Chris Justice (UMD)
9:40:10:00	NASA Earth Science Division and Research Perspectives	Karen St. Germain (NASA HQ)
10:00-10:20 10:20-10:30	NASA Earth Science Update & the Role of the LCLUC Q and A	Jack Kaye (NASA HQ)
10:30-10:50	MuSLI Program and Updates	Jeff Masek (NASA GSFC)
10:50-11:00	<b>Group Photo &amp; Break</b>	
11:00-11:15	Africa Burned Area Product Generation with Landsat-8 and Sentinel-2; and testing the use of VHR	David Roy (Michigan State U.)
11:15-11:30	Moving Multi-Source Land Imaging of Seasonal Dynamics in Land Surface to Production	Mark Friedl (Boston U.)
11:30–11:45	Moving from Prototyping Multi- Source Land Imaging of Circumpolar Albedo to Production	Crystal Schaaf (U. Mass.)

11:45-12:00	Canopy Chlorophyll Content for Assessing Vegetation Function and Productivity	Petya Campbell (UMBC/NASA)
12:00-12:15	Characterizing Field-Scale Water Use, Phenology in Agricultural Landscapes	Martha Anderson (USDA)
12:15-12:25	<b>Break</b>	
12:25-12:40	A High Spatio-temporal Resolution Land Surface Temperature Product for Urban Environments	Glynn Hulley (JPL)
12:40-12:55	Monitoring Abandoned Agriculture, Fallow Fields and Grasslands	Volker Radeloff (U. Wisconsin)
12:55-1:10	Crop Yield Assessment and Mapping by a Combined use of Landsat-8, Sentinel-2 and Sentinel-1 Images	Sergi Skakun (UMD)
1:10-1:20	Final remarks	Garik Gutman (HQ)
	<b>Adjourn</b>	

**Day-2 –SARI: Asian Space Agencies and LCLUC Overviews for South and Southeast Asia (time slots in Eastern Day Time)**

9:00-9:20	SARI LCLUC Research Updates	Krishna Vadrevu (NASA MSFC)
9:20-9:40	Indian Space Research Organization (ISRO) LCLUC Activities	Prakash Chauhan (ISRO)
9:40-10:00	Vietnam National Space Center (VNSC) LCLUC Activities	Lam Dao Nguyen (VNSC)
10:00-10:20	Thailand - Geo-informatics and Space Technology Development Agency (GISTDA) LCLUC Activities	Tatiya Chuentragun, Pakron Apaphant (GISTDA)
10:20-10:40	JAXA ALOS-2 LCLUC Activities	Shin-Ichi Sobue (JAXA)
10:40-11:00	Philippines Space Agency LCLUC Activities	Gay Perez (University of Philippines)
11:00-11:20	Indonesia Space Agency LCLUC Activities	Rokhis Khomruddin (LAPAN)
11:20-11:40	<b>Break</b>	
11:40-12:00	Overview: SE Asia LCLUC overview, trends and ongoing issues including Q&A	Jeff Fox (East West Center, Hawaii)
12:00-12:20	Overview: South Asia LCLUC overview, trends and ongoing issues including Q&A	Ruth DeFries (Columbia U.)

12:20-1:00	Panel Comments: Towards SARI Synthesis Panelists: Karen Seto (Yale U.), Dave Skole (Michigan State U.), Peter Potapov (U.MD), Son Nghiem (JPL), Atul Jain (Univ. of Illinois Urbana Champaign), Arianne De Bremond (UMd) - <b>5 MIN PER PANELIST WITH Q&amp;A</b>	Moderators: Chris Justice (UMD) and Krishna Vadrevu (MSFC)
	<b>Adjourn</b>	

### Day-3 –Early Career Scientists (LCLUC-2019 Round) (time slots in Eastern Day Time)

9:00-9:15	Introduction and Welcome to the Program	Garik Gutman (NASA HQ)
9:15-9:30	Mapping and modeling desertification and its impact on aeolian dust and human health in Central Asia	Xin Xi (Michigan Technological U.)
9:30-9:45	Evaluating land use change and livelihood responses to large investments for high-value agriculture: managing risks in the era of the Green Morocco Plan	Zhenong Jin (U. of Minnesota)
9:45-10:00	Understanding the socioeconomic drivers of agricultural land abandonment and associated fire risk in Greece	Aaron Sparks (U. of Idaho)
10:00–10:10	Break	
10:10-10:20 10:20-10:30	Introduction and the role of LCLUC in ESD Q&A	Sandra Cauffman, NASA HQ
10:30-10:45	Evaluating the drivers of international migration from the Northern Triangle of Central America and its implications for land systems in the region	Nicholas Cuba (Auburn U.)
10:45-11:00	Comparing the effectiveness of conservation strategies in the Colombian Andes biodiversity hotspot	Christoph Nolte (Boston U.)
11:00-11:15	Policy, market, and climate change impacts on maize production in Mexico	Meha Jain (U. Michigan)
11:15-11:30	Impacts of global markets and national policies on forest carbon trajectories and social outcomes in the Guiana Shield Ecoregion	Carlos Munoz Brenes (Conservation International)
11:30-11:45	Soybean Expansion in South America: Quantifying Historical Land-Use Change, Modeling Socioeconomic Drivers and Projecting Future Trajectories	Xiaopeng Song (Texas Tech U.)
11:45-12:00	Mapping property values to understand land-use change in South America	Robert Heilmeyer (U. of California, Santa Barbara)
12:00-12:15	<b>Break</b>	
12:15-12:30	LCLUC program future directions	Chris Justice (UMD)
12:30-12:45	Concluding remarks	Garik Gutman (NASA HQ)
	<b>Adjourn</b>	